

FIG 1

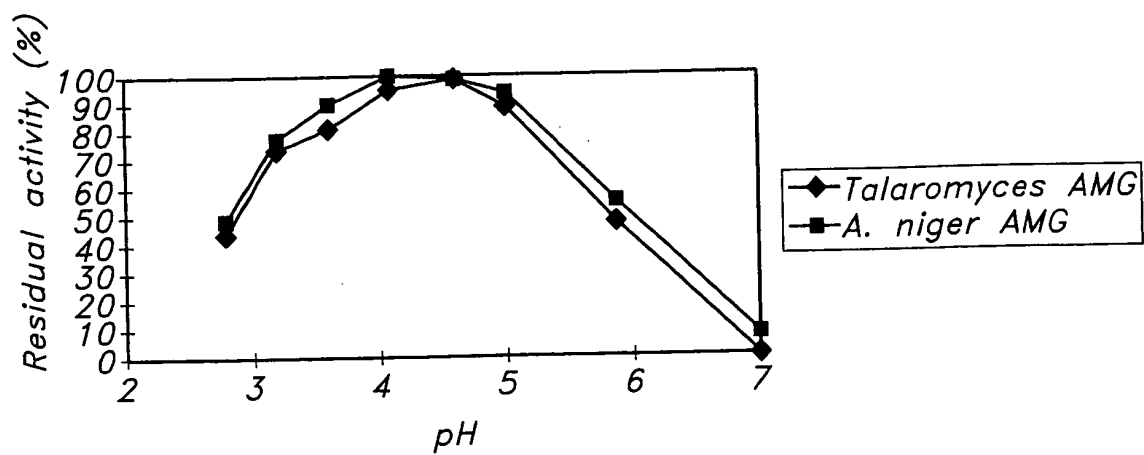


FIG 2

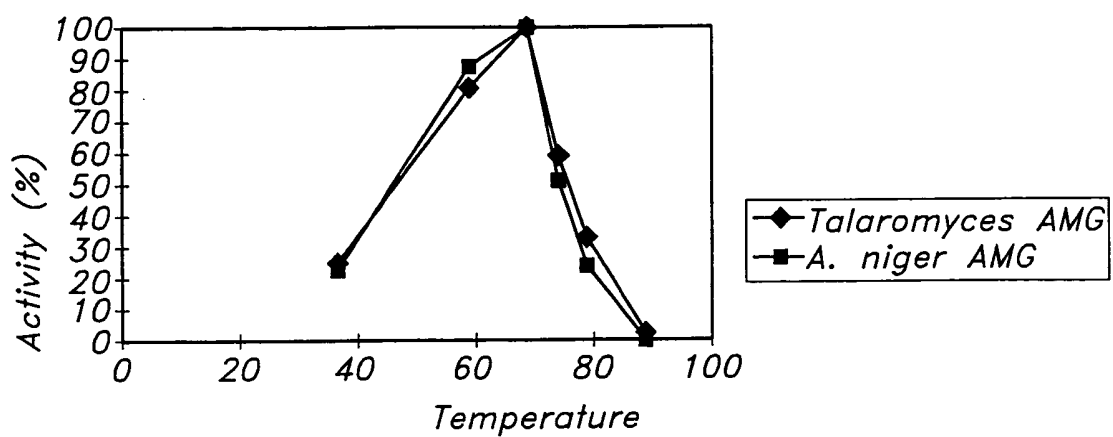


FIG 3

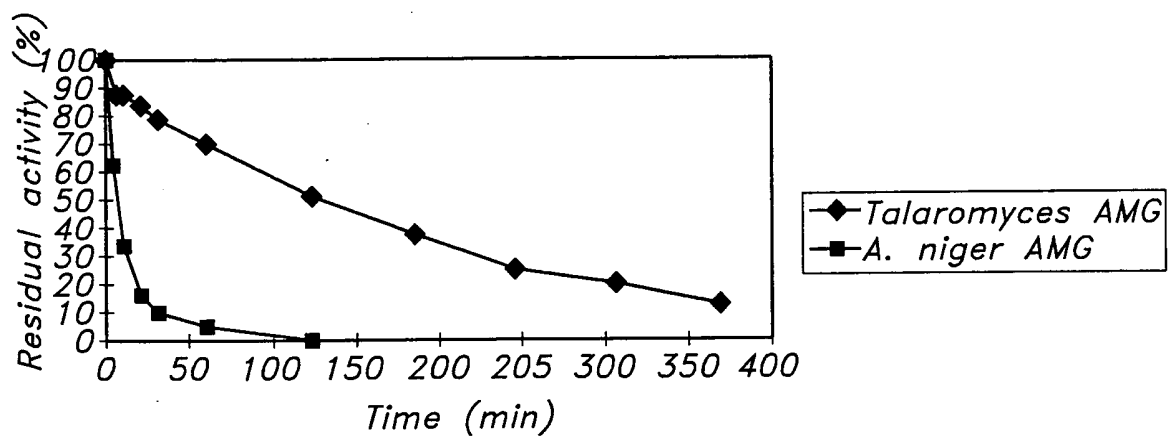


FIG 4

10 30 60 70 90
ACGAGATGTGTATATACTGTGAACCAAAGTATGATGTCAGTTATGCTGGTCTGAGAACTCATAGAAGCCCTTGAAAATACCCCAAGCT

110 130 150 170
AGCACTCCAACCCTAACTCTGTTGCTCTACTAGATCAAGACGAGTACTCTGATTGAGCTGCAGGCTTGGAAATATATGATTAGCAGAAAAA

190 210 230 250 270
GGGTAAAACTTGTATGACAATCAGTTTGTCTAGTACTCCGTAGTATGCCATGTCTATAGAGTCGACACTAAGGCAGCATGTGAATGAGT

290 310 330 350
CGGAAATGACAGGAAGCAGATTCTTAACAGTCATGTTCTCCGTGCCTGCATCCCCACGTCACCTGCAAAGATGCCACGCTACTCCACAC

370 390 410 430 450
CGGCGCCTTGATGTCTGCTGTTCTGGCCTAGTGGAGCCCCATGCGTGTCTAGCTCGTGGTCTTCGAATAAATCAGAATAAAAAACGGAG

470 490 510 530
TAATTAATTGCGCCCGCAACAACTAAGCAATGTAAGTCAATGCCAAGCTTCCGCTGATGCTCTTGACATCTCCGTAGTGGCTTCTTTTCG

550 570 590 610 630
TAATTTTACAGACGTATATATAGTAGTAATGCCAGCAGGCGGGGATAATGATGGGGATTCTGAACTCTCTGCTTCCGTACGCTGAACAGT

650 670 690 710
TTGCTTGCCTTGTCAACCATGGCGTCCCTCGTTGCTGGCGCTCTCTGCATCCTGGGCTGACGCTGCTGCATTGTCACGAGCGCCCGTT

730 750 770 790 810
M A S L V A G A L C I L G L T P A A F A R A P V

830 850 870 890
GCAGCGGAGCCACCGTTCCCTGGACTCCTTTCTCGCAACCGAACTCCAATTGCCCTCCAAGGCGTCTGAACAACATCGGGCCCAAT

910 930 950 970 990
A A R A T G S L D S F L A T E T P I A L Q G V L N N I G P N

1010 1030 1050 1070
GGTGCTGATGTGGCAGGAGCAAGCGCCGGCATTGTGGTTGCCAGTCCGAGCAGGAGCGACCCAAATTgtaggttctttccaccagaaat

1090 1110 1130 1150 1170
G A D V A G A S A G I V V A S P S R S D P N

1190 1210 1230 1250
tacttatttaaatacagccctctgacaggttgaagATTCTACTCTGGACACGTGACGCGCGCTCACGGCCAAATACCTCGTCGACGCC

1270 1290 1310 1330 1350
Y F Y S W T R D A A L T A K Y L V D A

1370 1390 1410 1430
TTCATCGCGGGCAACAAGGACCTAGAGCAGACCATCCAGCAGTACATCAGCGCGCAGGCGAAGGTGCAAACTATCTCCAATCCGTCCGGA

1450 1470 1490 1510 1530
F I A G N K D L E Q T I Q Q Y I S A Q A K V Q T I S N P S G

1550 1570 1590 1610 1630
GATTTATCCACCGGTGGCTTAGGTGAGCCCAAGTTCAATGTGAATGAGACGGCTTTTACCGGGCCCTGGGGTCTGTCACAGAGGGACGGA

1650 1670 1690 1710 1730
D L S T G G L G E P K F N V N E T A F T G P W G R P Q R D G

1750 1770 1790 1810 1830
CCAGCGTTGAGAGCGACGGCCCTCATTTGCGTATGCCAATATCTCATCgtaagcttctgctcgtgccttctctctgctcgtatgctaa

1850 1870 1890 1910 1930
P A L R A T A L I A Y A N Y L I

1950 1970 1990 2010 2030
gtagtctgtcagGACAACGGCGAGGCTTCGACTGCCGATGAGATCATCTGGCCGATTGTCCAGAATGATCTGTCTTACATCACCCAATA

2050 2070 2090 2110 2130
D N G E A S T A D E I I W P I V Q N D L S Y I T Q Y

2150 2170 2190 2210 2230
CTGGAATCATCCACCTTCGgtaggcaaatgaatatccccgacacagcgtggtactaatttgattcagACCTCTGGGAAGAAGTAGAAGG

2250 2270 2290 2310 2330
W N S S T F D L W E E V E G

FIG 5A

ATCCTCATTTCTCACAAACCGCCGTGCAACACCGCGCCCTGGTGAAGGCAATGCACTGGCAACAAGGCTGAACCACACGTGCTCCAAC TG
 S S F F T T A V Q H R A L V E G N A L A T R L N H T C S N C
 1550 1570 1590 1610
 CGTCTCTCAGGCCCCCTCAGGTCTGTGTTTCTGCAGTCATACTGGACCGGATCGTATGTTCTGGCCAACCTTTGGTGGCAGCGGTCTGTT C
 V S Q A P Q V L C F L Q S Y W T G S Y V L A N F G G S G R S
 1630 1650 1670 1690 1710
 CGGCAAGGACGTGAATTCGATTCTGGGCAGCATCCACACCTTTGATCCCGCCGAGGCTGTGACGACTCGACCTTCAGCCGTGTTCCGGC
 G K D V N S I L G S I H T F D P A G G C D D S T F Q P C S A
 1730 1750 1770 1790
 CCGTGCCTTGGCAAATCACAAGGTGGTCACCGACTCGTTCCGGAGTATCTATGCGATCAACTCAGGCATCGCAGAGGGATCTGCCGTGGC
 R A L A N H K V V T D S F R S I Y A I N S G I A E G S A V A
 1810 1830 1850 1870 1890
 AGTCGGCCGCTACCCTGAGGATGTCTACCAGGGCGGAACCCCTGGTACCTGGCCACAGGAGCGCTGCAGAGCAGCTTTACGACGCCAT
 V G R Y P E D V Y Q G G N P W Y L A T A A A A E Q L Y D A I
 1910 1930 1950 1970
 CTACCACTGGAAGAAGATCGGCTCGATAAGTATCACGGACGTTAGTCTGCCATTTTCCAGGATATCTACCCTTCTGCCCGGTTGGGCAC
 Y Q W K K I G S I S I T D V S L P F F Q D I Y P S A A V G T
 1990 2010 2030 2050 2070
 CTATAACTCTGGCTCCACGACTTTCAACGACATCATCTCGGCCGTCAGACGTATGGTGATGGATATCTGAGTATTGTGttagcttttgc
 Y N S G S T T F N D I I S A V Q T Y G D G Y L S I V
 2090 2110 2130 2150
 cttagattctcaggtgtaaagaaaaaatggaactaactcagttctagGAGAAATATACTCCCTCAGACGGCTCTCTTACCGAACAATTC
 E K Y T P S D G S L T E Q F
 2170 2190 2210 2230 2250
 TCCCGTACAGACGGCACTCCGCTTTCTGCCTCTGCCCTGACTTGGTCGTACGCTTCTCTCTAACCCTTCGGCCCGCAGACAGTCCGTC
 S R T D G T P L S A S A L T W S Y A S L L T A S A R R Q S V
 2270 2290 2310 2330
 GTCCCTGCTTCTGGGCGAAAGCTCCGCAAGCAGCGTCCCTGCCGTCTGCTCTGCCACCTCTGCCACGGGCCATACAGCACGGCTACC
 V P A S W G E S S A S S V P A V C S A T S A T G P Y S T A T
 2350 2370 2390 2410 2430
 AACACCGTCTGGCCAAGCTCTGGCTCTGGCAGCTCAACAACCACCAAGTAGCGCCCATGCACCACTCTACCTCTGTGGCTGTGACCTTC
 N T V W P S S G S G S S T T T S S A P C T T P T S V A V T F
 2450 2470 2490 2510
 GACGAAATCGTCAGCACCAAGTTACGGGGAGACAATCTACCTGGCCGGCTCGATCCCGAGCTGGGCAACTGGTCCACGGCCAGCGCGATC
 D E I V S T S Y G E T I Y L A G S I P E L G N W S T A S A I
 2530 2550 2570 2590 2610
 CCCCTCCGCGCGGATGCTTACACCAACAGCAACCCGCTCTGGTACGTGACCGTCAATCTGCCCCCTGGCACCAGCTTCGAGTACAAGTTC
 P L R A D A Y T N S N P L W Y V T V N L P P G T S F E Y K F
 2630 2650 2670 2690
 TTCAAGAACCAGACGGACGGGACCATCGTCTGGGAAGACGACCCGAACCGGTCTGACACGGTCCCAGCGTACTGTGGGCAGACTACCGCC
 F K N Q T D G T I V W E D D P N R S Y T V P A Y C G Q T T A
 2710 2730
 ATTCTTGACGATAGTTGGCAGTGAGATAACATCCACCCTTCTGTTTAA
 I L D D S W Q *

FIG 5B

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	481		540
An amg-1.PRO	ATSAIGTYSSVTVTWPSIVATGGTTTTATPTGSGSVTSTSKTTATASKTSTSTSSTSC		
Ao AMG.PRO	TTSASGYSSVVITSWPTISGYPGA.....PDSPCQ		
Tal-AMG.PRO	ATSATGPYSTATNTVWPS.....SGSGS.....STTSSAPCT		
	*** * ** * **		*
	541		600
An amg-1.PRO	TPTAVAVTFDLTATTTYGENIYLVGSISQLGDWETSDGIALSADKYTSSDPLWYVTVTL		
Ao AMG.PRO	VPTTVSVTFFAVKATTVYGESIKIVGSISQLGSWNPSSATALNADSYTTDNPLWTGTINLP		
Tal-AMG.PRO	TPTSVAVTFDEIVSTSYGETIYLAGSIPELGNWSTASAIPLRADAYTNSNPLWYVTVNLP		
	** * *** * *** * *** * * * * ** *** * **		
	601		646
An amg-1.PRO	AGESFEYKFIRIESDDSVESDPNREYTPQACGTSTATVTDTR		
Ao AMG.PRO	AGQSFEYKFIRVQ.NGAVTWESDPNRKYTVPSTCGVKSQSDVWR		
Tal-AMG.PRO	PGTSFEYKFFKNQTDGTIVWEDDPNRSYTVPAYCGQTTAILDDSWQ		
	* * * * * ** * * * * ** * * *		

FIG 6B

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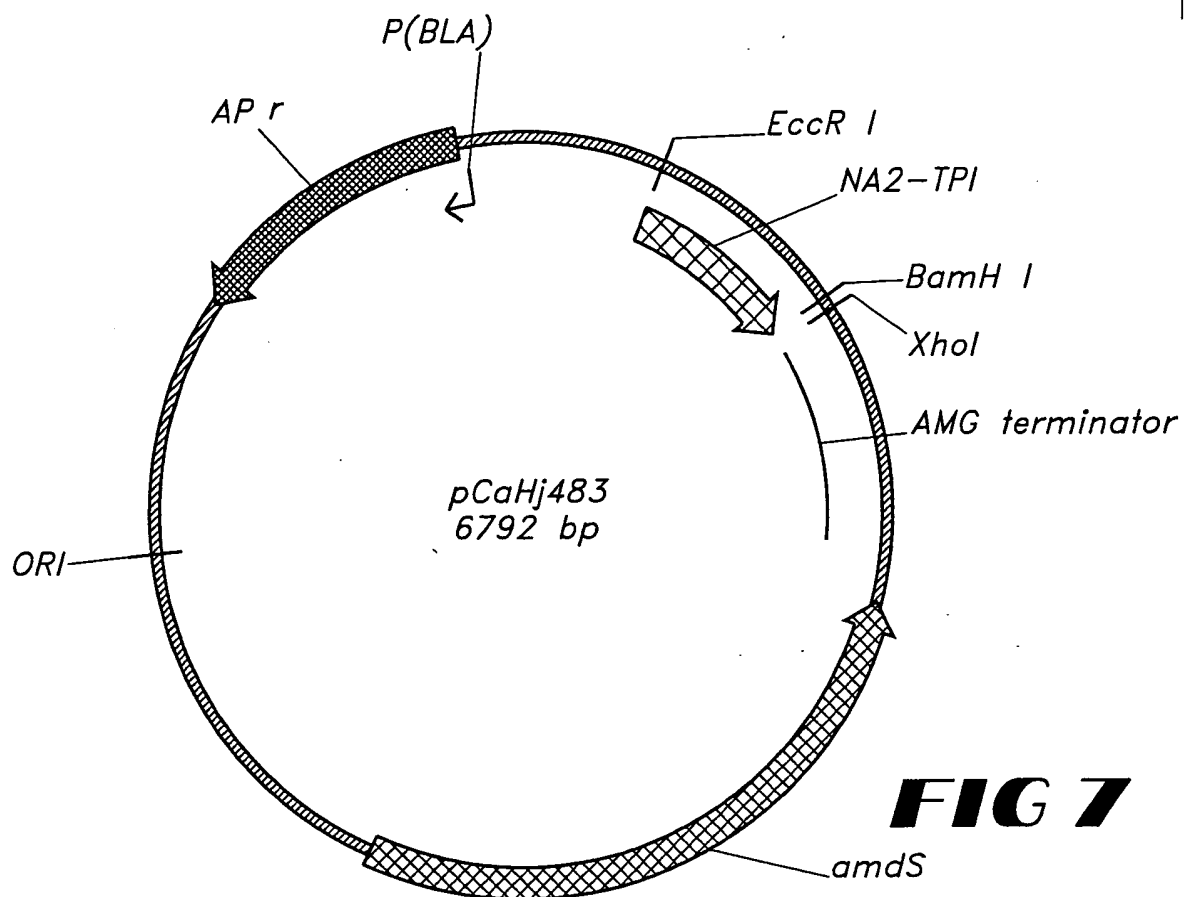


FIG 7

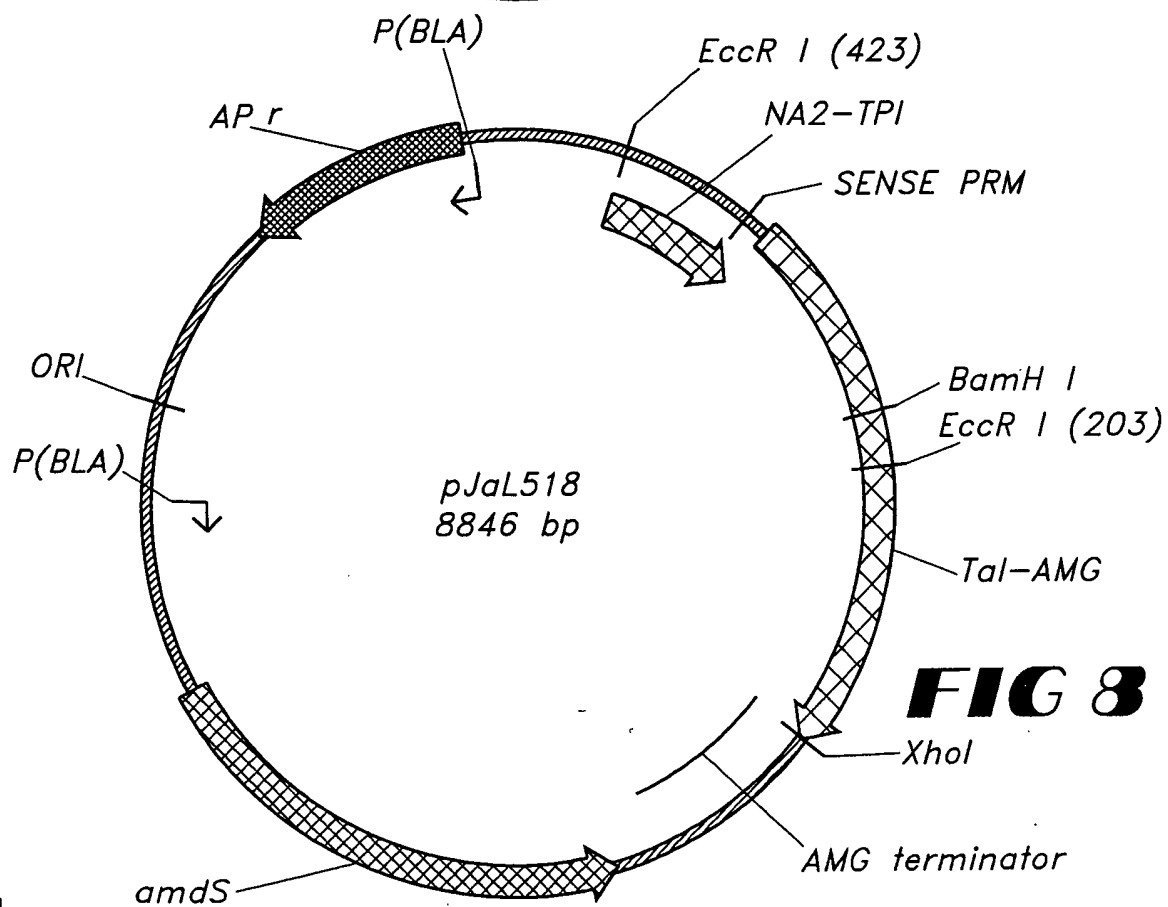


FIG 8

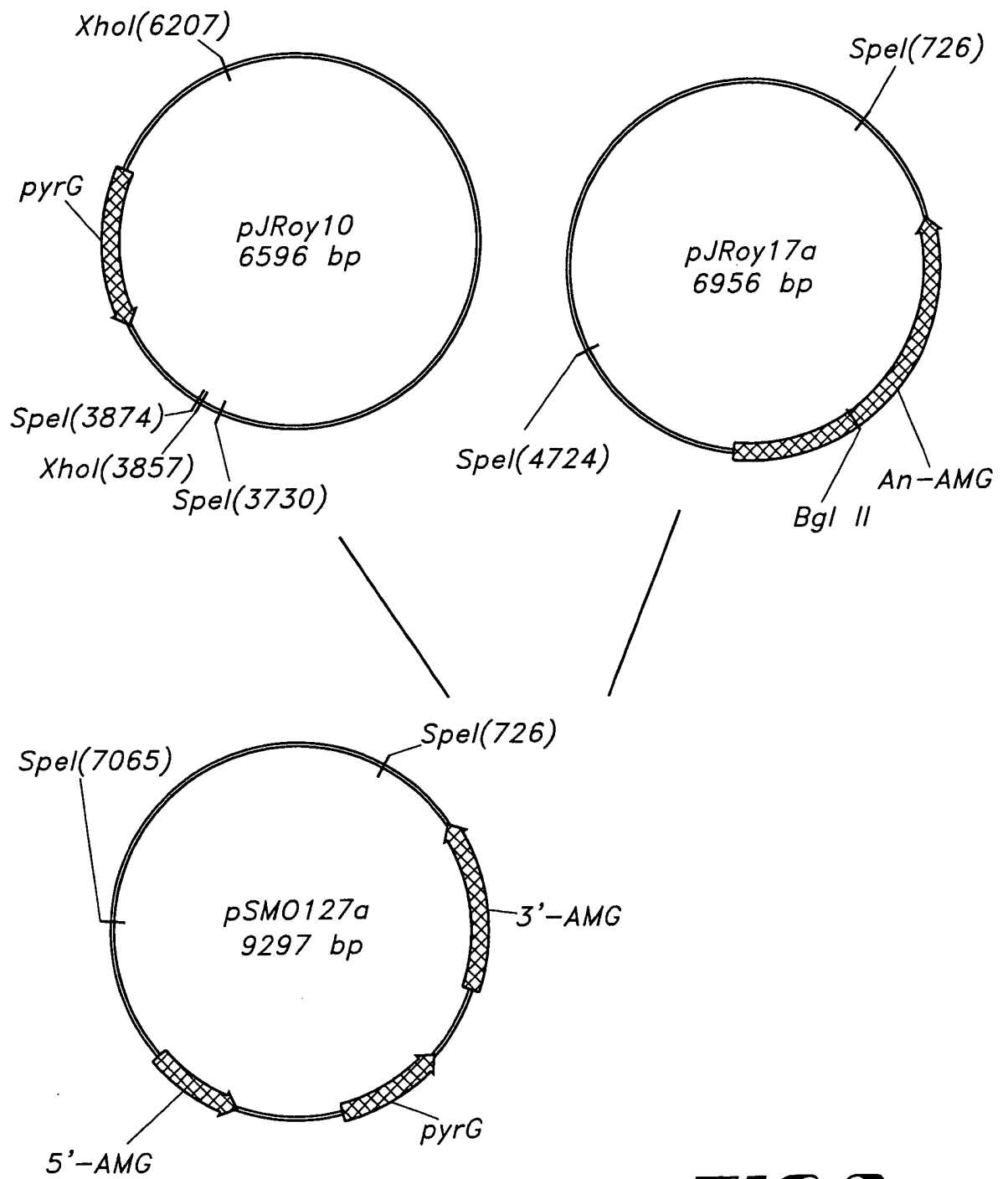


FIG 9

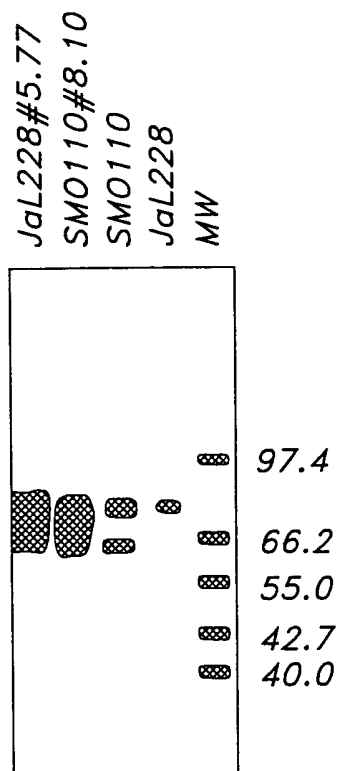


FIG 10

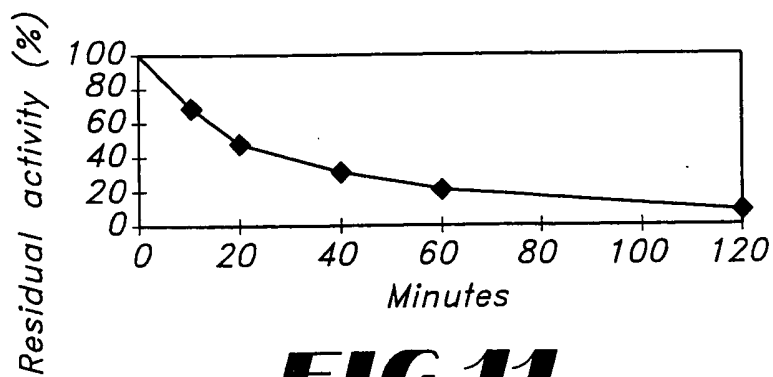


FIG 11

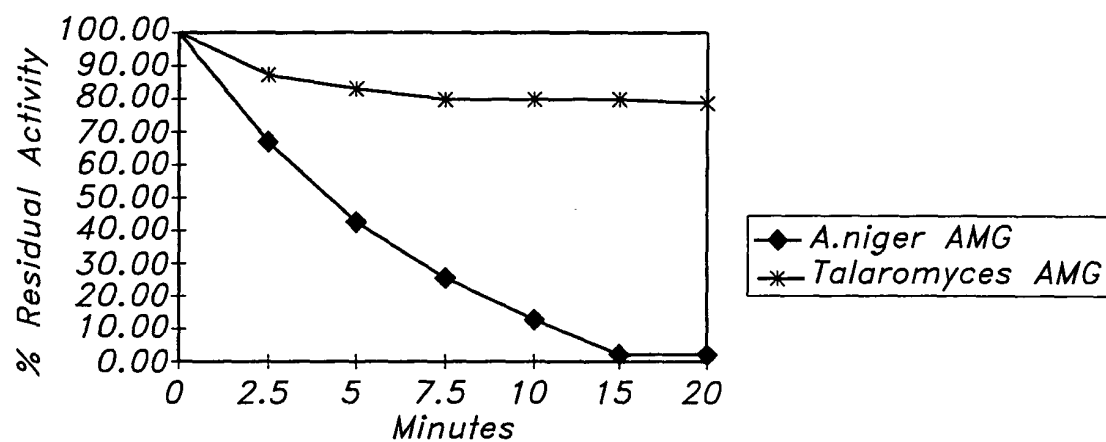


FIG 12

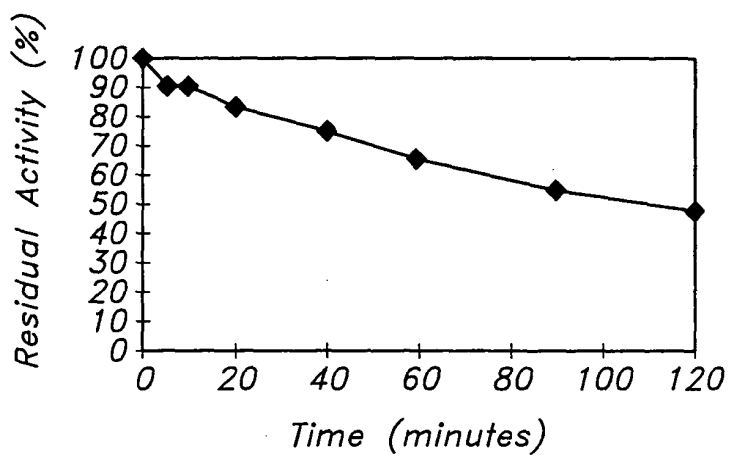


FIG 13